

TABLE 4-3

POTENTIAL ARAR VALUES FOR GROUNDWATER

Compound Detected ^j	Washington State Model Toxics Control Act WAC 173-340-720 ^h		Drinking Water Standards ⁱ 40 CFR 141 ^a and 40 CFR 143 ^b μg/L	Minimum Value ⁱ , μg/L		
	Method B, μg/L					
	Carcinogenic	Non-carcinogenic				
METALS						
Aluminum		16000	50 ^o	50		
Antimony		6.4	6 ^{a,c}	6		
Arsenic		5 ^a	50 ^a	5		
Barium		1120	2000 ^{a,k}	1120		
Beryllium	0.0203	80	4 ^{a,c}	0.0203		
Cadmium		8	5 ^{a,c}	5		
Calcium				-		
Chromium		80 ^l	100 ^{a,c}	80		
Cobalt		960	-	960		
Copper		592	1000 ^o	592		
Iron			300 ^o	300		
Lead		5 ^e	15 ^m	5		
Magnesium				-		
Manganese		80	50 ^o	50		
Mercury		4.8	2 ^{a,k}	2		
Nickel		320	100 ^{a,c}	100		
Potassium				-		
Selenium		80	50 ^{a,c}	50		
Silicon				-		
Silver		80	100 ^o	80		
Sodium				-		
Thallium		1.12	.5 ^c	0.5		
Vanadium		112	-	112		
Zinc		4800	5000 ^o	4800		
GENERAL CHEMISTRY						
pH			6.5-8.5 ^o	6.5-8.5		
Carbonate, μg/L CaCO ₃				-		
Bicarbonate, μg/L CaCO ₃				-		
Hardness, μg/L CaCO ₃				-		
Conductivity, μmhos/cm				-		
TDS, μg/L			500000 ^o	500000		
Turbidity, NTU				-		
Fluoride		960	2000 ^o	960		
Chloride			250000 ^o	250000		
Nitrate (as N)		5780	10000 ^{a,c}	5780		
Nitrite (as N)		487	1000 ^{a,c}	487		
Sulfate			250000 ^o	250000		
ORGANICS						
Benzene	1.51		5 ^a	1.51		
Bis(2-ethylhexyl)phthalate	6.25	320	6 ^{a,g}	6		
1,2-dibromo-3-chloropropane	0.0312		0.2 ^{a,n}	0.0312		
1,3-dichlorobenzene		720 ^l		720		
Diethylphthalate		12,800		12800		
Endrin		4.8	2 ^a	2		
1,3,5-trimethylbenzene				-		

^a Primary MCLs.^b Secondary MCLs.^c Non-carcinogen MCLGs under 40 CFR 141.50.^d Cleanup level based on background concentration for the State of Washington as noted in Table 1, footnote b, WAC 173-340-720.^e There is no Method B cleanup level for lead. Cleanup level based on MTCA Method A.^f Used 1,2-dichlorobenzene as a surrogate.^g Used di(2-ethylhexyl)phthalate as a surrogate.^h Cleanup levels based on the January 1995 Update to the MTCA Cleanup Levels and Risk Calculations (CLARC II) Database (WDOE 1995).ⁱ Assumes Cr(VI).^j Utilized in Chapter 5 for comparison to ARARs.^k Compounds detected in this RI (See Chapter 5).^l Value shown is the minimum of MCL, SMCL and non-carcinogen MCLG.